

added to the high-purity copper, 1.0 to 5.0% by mass of silver having a purity of not less than 99.99% by mass.

29. (New) The ultrafine copper alloy wire according to claim 2, wherein said copper alloy wire consists of:

high-purity copper having a total unavoidable impurity content of not more than 1 ppm by mass; and

added to the high-purity copper, 1.0 to 5.0% by mass of silver having a purity of not less than 99.99% by mass and 0.01 to 0.5% by mass of magnesium having a purity of not less than 99.9% by mass.

30. (New) The ultrafine copper alloy wire according to claim 3, wherein said copper alloy wire consists of:

high-purity copper having a total unavoidable impurity content of not more than 1 ppm by mass; and

added to the high-purity copper, 1.0 to 5.0% by mass of silver having a purity of not less than 99.99% by mass and 0.01 to 0.3% by mass of indium having a purity of not less than 99.99% by mass.

31. (New) The copper alloy wire according to claim 17, wherein the wire consists of:

high-purity copper having a minimum 99.9999% purity; and

at least one of (i) 1.0% to 5.0% by mass of silver, and (ii) 0.01% to 0.5% by mass

of magnesium or 0.01% to 0.3% by mass of indium metal combined with the high-purity copper.--

Please amend claims 1, 2, 3, 17, 18, 21, 22, 25 and 27 to read as follows (See also attached Claim Amendment Appendix):

1. (AMENDED) An ultrafine copper alloy wire with a diameter of not more than 0.08 mm, said ultrafine copper alloy wire being formed of a copper alloy wire consisting essentially of:

high-purity copper having a total unavoidable impurity content of not more than 1 ppm by mass; and

added to the high-purity copper, 1.0 to 5.0% by mass of silver having a purity of not less than 99.99% by mass.

2. (AMENDED) An ultrafine copper alloy wire with a diameter of not more than 0.08 mm, said ultrafine copper alloy wire being formed of a copper alloy wire consisting essentially of:

high-purity copper having a total unavoidable impurity content of not more than 1 ppm by mass; and

added to the high-purity copper, 1.0 to 5.0% by mass of silver having a purity of not less than 99.99% by mass and 0.01 to 0.5% by mass of magnesium having a purity of not less than 99.9% by mass.

3. (AMENDED) An ultrafine copper alloy wire with a diameter of not more than

0.08 mm, said ultrafine copper alloy wire being formed of a copper alloy wire consisting essentially of:

high-purity copper having a total unavoidable impurity content of not more than 1 ppm by mass; and

added to the high-purity copper, 1.0 to 5.0% by mass of silver having a purity of not less than 99.99% by mass and 0.01 to 0.3% by mass of indium having a purity of not less than 99.99% by mass.

C2
17. (AMENDED) A copper alloy wire having a diameter of not more than 0.08 mm, consisting essentially of:

C3
high-purity copper having a minimum 99.9999% purity; and
at least one of (i) 1.0% to 5.0% by mass of silver, and (ii) 0.01% to 0.5% by mass of magnesium or 0.01% to 0.3% by mass of indium metal combined with the high-purity copper.

18. (AMENDED) A copper alloy wire according to claim 17, wherein the at least one of (i) the silver, and (ii) the magnesium or the indium is the 1.0% to 5.0% by mass of silver and the silver has a purity of not less than 99.99% by mass.

C4
21. (AMENDED) A copper alloy wire according to claim 17, wherein the at least one of (i) the silver, and (ii) the magnesium or the indium is the 1.0% to 5.0% by mass of silver and the silver has a purity of not less than 99.99% by mass, and the 0.01% to 0.5% by mass of magnesium and the magnesium has a purity of not less than 99.9%

by mass.

C4 22. (AMENDED) A copper alloy wire according to claim 17, wherein the at least one of (i) the silver, and (ii) the magnesium or the indium is the 1.0% to 5.0% by mass of silver and the silver has a purity of not less than 99.99% by mass, and the 0.01% to 0.3% by mass of indium and the indium has a purity of not less than 99.99% by mass.

C5 25. (AMENDED) A copper alloy wire according to claim 17, further comprising:
a plurality of other copper alloy wires;
wherein, the copper wire and the plurality of other copper wires form a stranded copper alloy wire conductor.

C6 27. (AMENDED) A copper alloy wire according to claim 26, wherein the stranded copper alloy wire conductor is the inner conductor of the extrafine coaxial cable, and further comprising:
a plurality of other copper alloy wire conductors;
wherein the plurality of other copper alloy wire conductors form outer conductors the extrafine coaxial cable.
